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United States Patent [19]**Hahn et al.**[11] **Patent Number:** **5,958,436**[45] **Date of Patent:** **Sep. 28, 1999**[54] **FORMULATIONS AND METHODS FOR REDUCING SKIN IRRITATION**[75] Inventors: **Gary S. Hahn**, Cardiff by the Sea;
David O. Thueson, Poway, both of Calif.[73] Assignee: **Cosmederm Technologies**, La Jolla, Calif.[21] Appl. No.: **08/860,959**[22] PCT Filed: **Dec. 21, 1995**[86] PCT No.: **PCT/US95/16990**§ 371 Date: **Jun. 23, 1997**§ 102(e) Date: **Jun. 23, 1997**[87] PCT Pub. No.: **WO96/19228**PCT Pub. Date: **Jun. 27, 1996**[51] Int. Cl.⁶ **A61K 7/00; A61K 7/48**[52] U.S. Cl. **424/401; 425/682; 514/844; 514/846; 514/847**[58] Field of Search **424/401, 682; 514/844, 846, 847**[56] **References Cited****U.S. PATENT DOCUMENTS**

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ABSTRACT

Compositions and methods are provided for inhibiting skin irritation attributable to chemical irritants, including skin exfoliant irritants, and environmental conditions by the application of an anti-irritant amount of aqueous-soluble divalent calcium cation.

93 Claims, 3 Drawing Sheets